Integrated control in gray rot of grapes produced of *Botryotinia fuckeliana* (of Bary) Whetzel, charm. *C. Botrytis cinerea* in the vineyards Murfatlar conditions

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**SUMMARY**

The gray rot of grapes, produced by fungus *Botryotinia fuckeliana* (of Bary) Whetzel, c.f. *Botrytis cinerea* Pers., is considered condlignly word beside by downy mildew and powdery mildew most prejudicial complaints of vine. In favorable years, with precipitations in excess, chiefly in second half summers, damage catch up to 70-80% from production and just besides.

In period 2001-2006 we tried in the frame experiences of VVRDS Murfatlar, some scheme of integrated pest management control. They have demonstradet in a first row that decrease number treatments for the gray rot frequently utilized in production, mixted (biological prepares on the strength of *Trichoderma harzianum*) with diverse selective chemical fungicide, following as well the amount of what dreg remanence on grapes and in wine.

The observations taked to VVRDS Murfatlar in diverse experimental variant of diferent kind laboratories like agrotechnics, agrochime and irrigation from the Sauvignon variety in uniform parceles like chemical treatment show that attack of gray rots on grapes is elder to classic management vine when distant between rows. Likewise, to big dose of fertilizers and special with azote also utilization bed irrigations, system and methods how is applied in the technology vine, created the condition of favorable microclimate development this dangerous desease.Worthily remark are green works, like: applies in stage feather until total leaf plucking of grapes on the variety Sauvignon assured a substantial decrease attacks of gray rots of vine amont 25% in comparision with ceck control.

Slow in biologic testing efficaciousness across 30 antibotritic fungicides in period 2002-2006 it was remarked following order efficacy: Switch 62, 5 WP in dose of 0, 6 kg/ ha, Teldor 500 SC - 0, 8 l/ ha, Mythos - 3, 0 kg/ ha, Pyrus 1, 5 l/ ha, Ronilan 50 DF - 1, 0 kg / ha, Rovral 50 SC - 1, 0 l/ ha, Sumilex 50 FL - 1, 0 kg/ ha, Calidan SC - 2, 0 l/ ha, Konker - 1, 5 l/ ha and also biologic product Trichodex 25 WP - 2, 0 kg/ ha. The values efficacity calculated after Abbott formulate in comparison whise untratated check were superior value of 80%.

The rezidiuum of fungicides determinated on the grapes and wine after fermentation musts obtained from the grapes trateated in field was placed in all experimental variants under the limit admited of legislation in force.

**Bibliography:**

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